

ANKRD27 抗原（重组蛋白）

中文名称： ANKRD27 抗原（重组蛋白）

英文名称： ANKRD27 Antigen (Recombinant Protein)

别名： ankyrin repeat domain 27; VARP; PP12899

相关类别： 抗原

储存： 冷冻（-20℃）

概述

Fusion protein corresponding to a region derived from 851-1050 amino acids of human ANKRD27

技术规格

Full name:	ankyrin repeat domain 27
Synonyms:	VARP; PP12899
Swissprot:	Q96NW4
Gene Accession:	BC050529
Purity:	>85%, as determined by Coomassie blue stained SDS-PAGE
Expression system:	Escherichia coli
Tags:	His tag C-Terminus, GST tag N-Terminus
Background:	May be a guanine exchange factor (GEF) for Rab21, Rab32 and Rab 38 and regulate endosome dynamics (PubMed:16525121, PubMed:18477474). May regulate the participation of VAMP7 in membrane fusion events; in vitro inhibits VAMP7-mediated SNARE complex formation by trapping VAMP7 in a closed, fusogenically inactive conformation (PubMed:23104059). Involved in peripheral melanosomal distribution of TYRP1 in melanocytes; the function, which probably is implicating vesicle-trafficking, includes cooperation with Rab32, Rab38 and VAMP7 (By similarity). Involved in the regulation of neurite growth; the function seems to require its GEF activity, probably towa

ds Rab21, and VAMP7 but not Rab32/38 (By similarity). Proposed to be involved in Golgi sorting of VAMP7 and transport of VAMP7 vesicles to the cell surface; the function seems to implicate kinesin heavy chain isoform 5 proteins, GOLGA4, RAB21 and MACF1 (PubMed:22705394). Required for the colocalization of VAMP7 and Rab21, probably on TGN sites (PubMed:19745841). Involved in GLUT1 endosome-to-plasma membrane trafficking; the function is dependent of association with VPS29 (PubMed:24856514).